Index of Claims

Application/Control No.

09/504,235 Examiner

David L. Lewis

Reexamination

Applicant(s)/Patent under

YAMAZAKI ET AL.

Art Unit

2629

Rejected - (Through numeral)
Cancelled

Allowed ÷ Restricted

Non-Elected

I Interference

A Appeal
O Objected

|               |                            | Deta     |          |                |              |                |  |                                     |          |                 |
|---------------|----------------------------|----------|----------|----------------|--------------|----------------|--|-------------------------------------|----------|-----------------|
| Cla           | aim                        | Date     |          |                |              |                |  |                                     |          |                 |
| Final         | Original                   | 6/22/07  |          |                |              |                |  |                                     |          |                 |
| 1             | 1                          | =        |          |                |              |                |  |                                     |          | П               |
| 1 40          | 2                          | =        |          | $\vdash$       | $\vdash$     | $\vdash$       |  | $\vdash$                            | Т        |                 |
| 3             | 2                          | =        | Ι-       | <b>-</b>       |              | T-             |  | 1                                   | <b>-</b> | П               |
| 4             | 4                          | ▐        | $\vdash$ |                | 1            | _              |  | Т                                   |          |                 |
| H             | 4<br>5                     |          | T        |                |              | $\vdash$       |  | T                                   |          | Н               |
| _             | 6                          | $\vdash$ | _        | $\vdash$       |              | ┰              |  | _                                   |          |                 |
| 5             | 7                          | =        | ┢        | $\vdash$       | $\vdash$     | Т              | 1  | $\vdash$                            |          | Н               |
| 6             | 8                          | =        | T        |                |              | T              |  | <u> </u>                            |          | Н               |
| 7             | 9                          | =        |          | -              |              |                |  | _                                   |          | П               |
| 8             | 10                         | =        | T        | T              |              | T              |  | T                                   |          | Н               |
|               | 10<br>11                   |          | <b></b>  | _              |              | 1              | _  |                                     | _        |                 |
|               | 12                         |          | $\Box$   | Τ              |              |                |  | $\Box$                              | Т        | П               |
| 9             | 13                         | =        |          |                |              |                | Г  |                                     |          | Н               |
| 10            | 12<br>13<br>14<br>15<br>16 | =        | T        |                |              | Г              |  | Т                                   |          | Н               |
|               | 15                         | Г        |          | Г              | _            |                | <del>                                     </del> | <u> </u>                            | <u> </u> | $\vdash$        |
|               | 16                         | İ        |          |                |              |                |  |                                     |          |                 |
| 11            | 17                         | =        |          |                |              |                |  |                                     |          | П               |
| 12            | 17<br>18<br>19             | =        |          |                |              |                |  |                                     |          |                 |
|               | 19                         |          |          |                |              |                |  |                                     |          |                 |
|               | 20                         |          |          |                |              |                |  |                                     | $\vdash$ |                 |
| 13            | 21                         | =        |          |                |              |                | Г  |                                     |          |                 |
| 13<br>14      | 22                         | =        |          | Г              |              |                |  |                                     |          |                 |
|               | 21<br>22<br>23<br>24<br>25 |          |          |                |              |                |  |                                     |          |                 |
|               | 24                         |          |          |                |              |                |  |                                     |          |                 |
| 15            | 25                         | =        |          |                |              |                |  |                                     |          |                 |
| 16            | 26<br>27                   | =        |          | L              |              |                |  |                                     |          |                 |
|               | 27                         |          | <u> </u> |                |              | L              |  |                                     |          |                 |
|               | 28                         |          | <u> </u> |                | _            | 匚              |  |                                     |          |                 |
| 17<br>46      | 29<br>30                   | п        | <u> </u> |                |              |                |  |                                     |          |                 |
| 46            | 30                         | =        |          |                | $oxed{oxed}$ |                |  |                                     |          |                 |
| 19            | 31                         | =        |          |                |              |                |  |                                     |          |                 |
| 20            | 32<br>33                   | =        |          |                |              |                |  |                                     |          |                 |
| L             | 33                         |          | <u> </u> |                | _            | L_             | _  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L_       | Ш               |
| <u> </u>      | 34                         | L        | <u> </u> |                |              |                | <u> </u>   | L_                                  | L        |                 |
| 21            | 35                         | =        | <u> </u> | <u> </u>       | <u> </u>     | _              |  | _                                   | L.,      |                 |
| 47            | 36                         | =        | <u>L</u> |                |              |                | <u> </u>   |                                     | <u> </u> |                 |
| 23            | 37                         | =        |          | <u> </u>       |              | L.             |  |                                     | L_       |                 |
| 24            | 38                         | 11       | L        |                | L            | <u> </u>       | _  |                                     |          | Щ               |
| $\sqsubseteq$ | 39                         | L_       | L        | <u> </u>       | ļ            | <u> </u>       | <u> </u>   | <u> </u>                            | <u> </u> | Ш               |
|               | 40                         | L_       | <u> </u> | ļ              | $\vdash$     | <u> </u>       |  | L                                   | Ш        | Щ               |
| 25            | 41                         | =        | ļ        |                | $\vdash$     | L              | -  | <u> </u>                            | H        | Ш               |
| 26            | 42                         | =        |          | <del> </del> — |              | <u> </u>       | <del> </del>                                     |                                     | <u> </u> | $\vdash \vdash$ |
| <u> </u>      | 43                         | $\vdash$ | -        | <u> </u>       | -            | -              | <u> </u>   | <u> </u>                            | $\vdash$ | $\vdash$        |
| 27            | 44<br>45                   | <u> </u> | Ь        | <u> — </u>     |              | -              | <del> </del>                                     | $\vdash$                            | $\vdash$ | $\dashv$        |
| 27<br>28      | 45                         |          | Ь—       | <u> </u>       | $\vdash$     | <del>   </del> |  | <del>  </del>                       | $\vdash$ | $\dashv$        |
| 20            | 46                         | ۳        | H        | <u> </u>       | H            | H              | ├  | H                                   |          | $\dashv$        |
|               | 48                         |          | $\vdash$ | <u> — </u>     | H            |                | $\vdash$   | H                                   | -        | $\dashv$        |
| 29            | 49                         | Ļ        | -        | -              | $\vdash$     | -              | _  | $\vdash$                            | $\vdash$ | $\dashv$        |
| 30            | 50                         | -        |          | -              | -            | -              |  | -                                   | Н        | $\dashv$        |
| _JU ]         | JU                         |          |          | لـــــا        | Щ.           |                | Щ.   |                                     | لــــا   |                 |

| Cla     | aim      | Γ-         |              |              |  | Date     | <u> </u> |              |  |          |
|---------|----------|------------|--------------|--------------|--|----------|----------|--------------|--|----------|
|         |          |            |              |              |  |          |          | П            | Π  |          |
| Final   | Original | 6/22/07    |              |              |  |          |          |              |  |          |
| <b></b> | 51       | -          |              | -            |  |          |          | <u> </u>     | i –  | -        |
|         | 52       |            |              | <b></b>      | <del>                                     </del> | -        |          | <u> </u>     |  | $\vdash$ |
| 31      | 53       | _          | -            | -            | -  | -        | -        | -            | ├  | ╌        |
| 32      |          | -          |              | -            | ├-   | -        | -        |              | -  | ⊢        |
| 32      | 54       | =          | -            | ├            | ⊢  | -        | -        | ├            |  | -        |
|         | 55       | _          |              | <u> </u>     |  | <u> </u> |          | <u> </u>     |  | <u> </u> |
|         | 56       | <u></u>    |              | <u></u>      | _  | <u> </u> | <u></u>  | _            |  | _        |
| 33      | 57       | =          |              | L            |  | _        |          | L            | <u> </u>   |          |
| 34      | 58       | =          |              | _            | L  |          | L        | _            | L  | <u> </u> |
| 35      | 59       | =          |              |              |  |          |          |              |  |          |
| 36      | 60       | =          |              |              |  |          |          |              |  |          |
| 37      | 61       | =          |              | Γ            | Γ  | Г        |          | Π            |  |          |
| 38      | 62       | =          |              |              |  |          |          |              | 1  |          |
| 39      | 63       | =          |              |              |  |          |          |              |  |          |
| 2       | 64       | =          |              |              |  |          | 1        |              | -  |          |
| 41      | 65       | =          | _            |              | $\vdash$   | _        |          |              | $\overline{}$                                    |          |
| 42      | 66       | =          | $\vdash$     |              |  | -        |          | <del> </del> | <del>                                     </del> |          |
| 43      | 67       | =          | $\vdash$     |              |  | -        | -        | -            | -  |          |
| 44      | 68       | =          |              | -            | -  | _        |          | ┢            |  |          |
| 45      | 69       | Ē          | ┢            | -            | ┝  | -        | ⊢        | ┢            | ┝  |          |
| 18      | 70       | ۱ <u>-</u> | ┝            |              | ├  |          | -        | ┢            | $\vdash$   |          |
| 22      | 71       | Ē          | <del> </del> | -            | <del> </del>                                     | $\vdash$ | ⊢        | ├            | _  |          |
| 40      | 72       |            | -            |              |  |          |          | <del> </del> | ⊢  | -        |
| 48      | 72<br>73 | =          | ┝            |              | -  |          |          | -            |  | $\vdash$ |
| 49      | 73       | _          | ┡            | <del> </del> | <u> </u>   | ├        | ┝        | -            | ├—   | -        |
| 50      | 74<br>75 | =          | <u> </u>     | <u> </u>     | <u> </u>   | -        |          | -            | _  | <u> </u> |
| 51      | 75       | =          | -            | <u> </u>     |  | <u> </u> | <u> </u> | -            | <u> </u>   |          |
| 52      | 76       | =          |              | _            |  | _        | <u> </u> |              | <u> </u>   | <u> </u> |
| 53      | 77<br>78 | =          | _            |              | <u> </u>   |          | _        |              | <u> </u>   | <u> </u> |
| 54      | 78       | =          | _            | L.           | _  | ļ        | <u> </u> |              | _  | <u> </u> |
| 55      | 79       | =          |              |              |  | _        | <u> </u> |              | _  |          |
| 56      | 80       | =          |              | _            | L_   | _        | <u> </u> |              | L_   |          |
| 57      | 81       | Ξ          |              |              |  |          |          | _            |  | _        |
| 58      | 82       | =          |              |              |  | _        | L.       |              |  | _        |
| 59      | 83       | = .        |              |              |  |          |          | L            |  | _        |
| 60      | 84       | =          | L            | L            | <u> </u>   |          | <u> </u> |              |  |          |
| 61      | 85       | =          |              |              | <u> </u>   | L_       | <u></u>  |              | _  |          |
| 62      | 86       | =          |              |              |  |          | L        | l .          |  |          |
| 63      | 87       | II         |              |              |  |          |          |              |  |          |
|         | 88       |            |              |              |  |          |          |              |  |          |
|         | 89       |            |              |              |  |          |          |              |  |          |
|         | 90       |            |              |              |  |          | П        |              | П  |          |
|         | 91       |            |              |              |  |          |          |              |  |          |
|         | 92       |            |              |              |  |          |          |              |  |          |
|         | 93       |            |              |              |  |          |          |              |  |          |
|         | 94       |            |              |              |  |          |          |              |  |          |
|         | 95       |            |              |              |  |          |          |              |  |          |
|         | 96       |            |              | -            |  |          |          |              |  |          |
|         | 97       |            |              |              |  |          |          |              |  |          |
|         | 98       |            |              |              |  |          |          |              |  |          |
|         | 99       |            |              |              |  |          |          |              |  |          |
|         | 100      |            |              |              |  |          |          |              |  |          |

| Claim        |  | Date   |  |              |          |              |              |              |  |          |  |
|--------------|--|--|--|--------------|----------|--------------|--------------|--------------|--|----------|--|
| -            |  | <del>                                     </del> | Τ-   | _            | _        |              | Ť            | Π            | Г  | П        |  |
| <del>-</del> | nal                                    |  |  |              |          |              |              |              |  |          |  |
| Final        | Original                               | 1  |  |              |          |              |              |              |  |          |  |
| -            | ō                                      |  |  |              |          | ĺ            |              |              |  | 1 1      |  |
|              | 101                                    | $\vdash$   | $\vdash$   | ├-           |          | <del> </del> | -            | -            | -  | Н        |  |
|              | 101<br>102                             | ┝  | ⊢  | ├            | -        |              | -            | ┢            | -  | Н        |  |
|              | 103                                    |  |  | -            |          |              |              | -            | -  | Н        |  |
|              | 100                                    | -  | ┢  | ┝            | $\vdash$ | $\vdash$     | ├            | -            | -  | Н        |  |
|              | 104<br>105                             | ├  | ├  | ┢            | $\vdash$ | ⊢            | $\vdash$     | ⊢            | -  | Н        |  |
|              | 106                                    | -  | _  | -            | ┝        | ┢            | ┢            | _            | $\vdash$   | Н        |  |
|              | 107                                    | -  | _  | ┝            | $\vdash$ | -            |              | -            | $\vdash$   | Н        |  |
|              | 107<br>108<br>109                      | ┝  | -  | $\vdash$     | $\vdash$ | ┢            | ┢┈           | $\vdash$     | <del> </del>                                     | Н        |  |
|              | 100                                    | $\vdash$   | -  | -            | -        | 1-           | ⊢            | ┢            | $\vdash$   | Н        |  |
|              | 110                                    | $\vdash$   |  | ┢            | ├        | $\vdash$     | -            | -            | $\vdash$   | Н        |  |
|              | 111                                    | $\vdash$   | _  | -            | ┝        | $\vdash$     | $\vdash$     |              | -  | Н        |  |
|              | 112                                    | $\vdash$   | <del>                                     </del> | $\vdash$     | $\vdash$ |              | <u> </u>     | $\vdash$     | <del>                                     </del> | Н        |  |
|              | 113                                    | $\vdash$   | $\vdash$   | <del> </del> |          | $\vdash$     | -            | $\vdash$     | $\vdash$   | Н        |  |
|              | 111<br>112<br>113<br>114<br>115<br>116 | $\vdash$   | H  | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$   | Н        |  |
|              | 115                                    |  |  | $\vdash$     | ┢        | -            | ┢            | $\vdash$     | $\vdash$   | Н        |  |
|              | 116                                    |  |  |              | -        | ├            |              | <del> </del> | _  | Н        |  |
|              | 117                                    |  |  | H            | $\vdash$ | -            | <del>-</del> | ┢            | _  | H        |  |
|              | 118                                    |  | -  | -            | ┢        | ┢            | ┢            | -            |  | Н        |  |
|              | 118<br>119                             |  |  | -            | ┢        | ┢            | ┢            | ┝            | $\vdash$   | $\dashv$ |  |
|              | 120                                    |  |  | $\vdash$     | $\vdash$ |              | -            |              | $\vdash$   | $\dashv$ |  |
|              | 121                                    |  |  | $\vdash$     | $\vdash$ | _            | -            | $\vdash$     |  |          |  |
|              | 121<br>122                             |  |  |              |          |              | -            | ┝            | $\vdash$   |          |  |
| -            | 123                                    | _  |  | Т            |          |              | $\vdash$     |              |  |          |  |
|              | 123<br>124<br>125                      |  |  | -            |          | -            | $\vdash$     | $\vdash$     |  | $\dashv$ |  |
|              | 125                                    |  |  |              |          |              | -            | _            |  | $\neg$   |  |
|              | 126                                    |  | -  |              |          | $\vdash$     |              | _            |  | H        |  |
|              | 127                                    |  | _  |              |          | _            |              |              |  | $\Box$   |  |
|              | 126<br>127<br>128                      |  |  |              |          | $\vdash$     |              |              |  | Н        |  |
|              | 129                                    |  | Г  |              |          |              |              |              |  |          |  |
|              | 129<br>130                             |  |  |              |          |              | Г            |              | _  |          |  |
|              | 131                                    |  |  |              |          |              | Г            |              |  |          |  |
|              | 132                                    |  |  |              |          |              |              |              |  |          |  |
|              | 132<br>133                             |  |  |              |          |              | $\Box$       |              |  |          |  |
|              | 134                                    |  |  |              |          |              |              |              |  | П        |  |
|              | 135                                    |  |  |              |          |              |              |              |  |          |  |
|              | 135<br>136                             |  |  |              |          |              |              |              |  |          |  |
|              | 137                                    |  |  |              |          |              |              |              |  |          |  |
|              | 138                                    |  |  |              |          |              |              |              |  |          |  |
|              | 139                                    |  |  |              |          |              |              |              |  |          |  |
|              | 140                                    |  |  |              |          |              |              |              |  |          |  |
|              | 141                                    |  |  |              |          |              |              |              |  |          |  |
|              | 142                                    |  |  |              |          |              |              |              |  |          |  |
|              | 143                                    |  |  |              |          |              |              |              |  |          |  |
|              | 144                                    |  |  |              |          |              |              |              |  |          |  |
|              | 145                                    |  |  |              |          |              |              |              |  |          |  |
|              | 146                                    |  |  |              |          |              |              |              |  |          |  |
|              | 147                                    |  |  |              |          |              |              |              |  | $\Box$   |  |
|              | 148                                    |  | Ш  |              |          |              |              |              |  | $\Box$   |  |
|              | 149                                    |  |  |              |          |              |              |              | $\Box$   | $\Box$   |  |
|              | 150                                    |  |  |              |          |              |              |              |  | $\Box$   |  |
|              |  |  |  |              |          |              |              |              |  |          |  |